

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF INTERSECTION LIGHTING AT MD 214 AND JARED ROAD / DANFIELD DRIVE IN PRINCE GEORGE'S COUNTY MARYLAND.

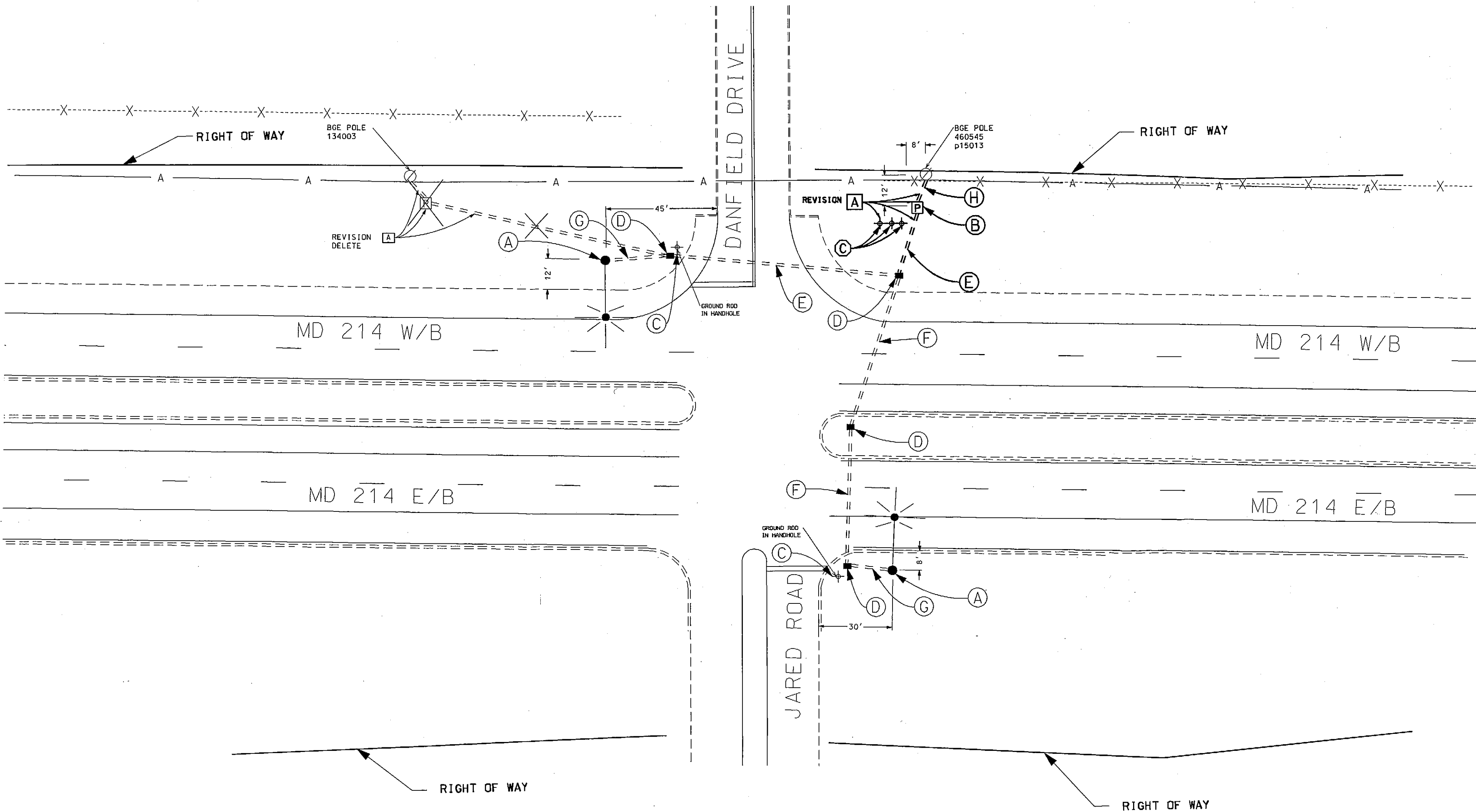
CONSTRUCTION DETAILS

- A. INSTALL 30' LIGHT STRUCTURE ON BREAKAWAY T-BASE WITH 250 WATT HIGH PRESSURE SODIUM LAMP, LUMINAIRE AND PHOTOCELL ON A 20' BRACKET ARM.
- B. FURNISH AND INSTALL MIDWEST SERVICE PEDESTAL 100 AMP WITH METER SOCKET
- C. FURNISH AND INSTALL GROUND ROD  $\frac{3}{4}$ " DIAMETER X 10' LENGTH
- D. FURNISH AND INSTALL HANDBOX
- E. FURNISH AND INSTALL 2" SCHEDULE 80 PVC CONDUIT - TRENCHED WITH TWO-2 CONDUCTOR NO. 12 AWG TRAY CABLE AND ONE NO. 6 AWG BARE GROUND WIRE.
- F. FURNISH AND INSTALL 4" SCHEDULE 80 PVC CONDUIT - BORED WITH ONE-2 CONDUCTOR NO. 12 AWG TRAY CABLE AND ONE NO. 6 AWG BARE GROUND WIRE.
- G. FURNISH AND INSTALL 2" SCHEDULE 80 PVC CONDUIT TRENCHED WITH ONE-2 CONDUCTOR NO. 12 AWG TRAY CABLE AND ONE NO. 6 AWG BARE GROUND WIRE.
- H. FURNISH AND INSTALL 4" SCHEDULE 80 PVC CONDUIT TRENCHED WITH A 2 INCH REDUCER PRIOR TO GOING INTO THE METERED SERVICE PEDESTAL AND 90 DEGREE BEND AT BASE OF UTILITY POLE WITH 3 - ONE CONDUCTOR # 1 AWG WIRES (NOTE: WITH 35 FOOT OF WIRE COILED AT UTILITY POLE BASE)

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION		
ITEM NO.	QUANTITY	DESCRIPTION
9000	2 EA	30 FOOT LIGHTING POLE WITH 20 FOOT ARM, BREAKAWAY BASE AND ANCHOR BOLTS
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR		
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8000	2 EA	TO BE NEGOTIATED - INSTALL 30' LIGHT POLE WITH ANY SIZE ARM
8005	1 EA	FURNISH AND INSTALL SERVICE PEDESTAL (METERED)
8011	80 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8014	4.5 CY	FURNISH AND INSTALL CONCRETE FOR LIGHT FOUNDATION
8015	360 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8017	225 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8018	20 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8026	2 EA	FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
8033	4 EA	FURNISH AND INSTALL CONNECTOR KIT - TYPE 2
8036	5 EA	FURNISH AND INSTALL GROUND ROD $\frac{3}{4}$ " DIAMETER X 10 FOOT LENGTH
8042	480 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO 12 AWG)
8044	4 EA	FURNISH AND INSTALL ELECTRICAL HANDBOLE
NEG.	180 LF	FURNISH AND INSTALL 1-CONDUCTOR NO. 4 AWG ELECTRICAL CABLE

NO. 1 AWG



REVISION A  
RELOCATE SERVICE FEED FROM POLE # 134003 TO  
BGE POLE # 460545 AS REQUESTED BY BGE.  
10/02/2001

PROJECT APPROVALS	
APPROVALS ARE FOR LIGHTING	
SHEETS: 1 THRU 1	
A TOTAL OF 1 SHEETS	
APPROVALS	REVISIONS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 214 AND JARED ROAD / DANFIELD DRIVE

DRAWN BY: J. HENKEL	F.A.P. NO.	PLAN	SHEET NO.
CHECK BY: MAR	S.H.A. NO. AW 1555185		
SCALE: 1" = 30'	COUNTY: ANN ARUNDEL		